Scientific and Technical Information Center - EIC2800 SEARCH REQUEST FORM Rev. 3/15/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511 Priority Application Date In what format would you like your results? Paper is the default. PAPER DISK **EMAIL** If submitting more than one search, please prioritize in order of need. The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers. 08-01-05 A:0:51 1: Where have you searched so far on this case? **USPT** DWPI **EPO Abs** IBM TDB Circle: JPO Abs Other: What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. What types of references would you like? Please checkmark: Primary Refs Nonpatent Literature Other Secondary Refs ___ Foreign Patents ____ Teaching Refs What is the topic, such as the <u>novelty</u>, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. Staff Use Only Type of Search Vendors Searcher: Some Structure (#) STN Bibliographic Dialog Searcher Location: STIC-EIC2800, JEF-4B68 Litigation Ouestel/Orbit Date Searcher Picked Up: 09-07-05 09-07-05 Date Completed: Patent Family WWW/Internet Searcher Prep/Rev Time: 40 Other Online Time: 240

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FILE 'REGISTRY' ENTERED AT 12:41:08 ON 07 SEP 2005
         159887 SEA ABB=ON PLU=ON (TA OR TI OR BA OR HF OR BI OR W OR TH OR
1.1
                PB)/ELS, MAC AND (OXIDE OR CHLORIDE OR BROMIDE OR IODIDE OR
                ASTATIDE OR FLUORIDE)
     FILE 'HCAPLUS' ENTERED AT 12:41:42 ON 07 SEP 2005
          26642 SEA ABB=ON PLU=ON L1(L)(INSULAT##### OR DIELEC######)
L2
     FILE 'STNGUIDE' ENTERED AT 12:44:08 ON 07 SEP 2005
     FILE 'HCAPLUS' ENTERED AT 12:45:59 ON 07 SEP 2005
           1631 SEA ABB=ON PLU=ON L1(L)GATE
L3
             26 SEA ABB=ON PLU=ON L1(L)OVERLAP###
L5
          31583 SEA ABB=ON PLU=ON L1(L)STRUCTURE
L6
L7
             78 SEA ABB=ON PLU=ON L1(L)DRAIN
            512 SEA ABB=ON PLU=ON GOLD STRUCTURE
r_8
             61 SEA ABB=ON PLU=ON GATE DRAIN OVERLAP######
1.9
                S L1(L)GOLD NOT GOLD/CN
     FILE 'REGISTRY' ENTERED AT 12:49:34 ON 07 SEP 2005
L10
              1 SEA ABB=ON PLU=ON GOLD/CN
     FILE 'HCAPLUS' ENTERED AT 12:49:34 ON 07 SEP 2005
L11
         152900 SEA ABB=ON PLU=ON L10
            202 SEA ABB=ON PLU=ON L1(L)GOLD NOT L11
L12
          10258 SEA ABB=ON PLU=ON (2ND OR SECOND)(W)(WIRING OR PATTERN OR
L13
                CONDUCTOR OR GATE OR RUNNER OR CONDUCTIVE OR BITLINE OR
                DATALINE OR WORDLINE OR LINE)
             13 SEA ABB=ON PLU=ON L1 AND (L8 OR L9)
L14
           6740 SEA ABB=ON PLU=ON LDD OR LIGHTLY DOPED
L15
             1 SEA ABB=ON PLU=ON L3 AND L5
T.16
            144 SEA ABB=ON PLU=ON L3 AND L6
L17
                                   L3 AND L7
             32 SEA ABB=ON
                           PLU=ON
L18
             0 SEA ABB=ON
                           PLU=ON
                                   L3 AND L8
L19
L20
             O SEA ABB=ON
                           PLU=ON
                                   L3 AND L9
             3 SEA ABB=ON PLU=ON L5 AND L6
L21
L22
             O SEA ABB=ON PLU=ON L5 AND L7
             O SEA ABB=ON PLU=ON
                                   L5 AND L8
L23
             O SEA ABB=ON
                           PLU=ON
                                   L5 AND L9
L24
                           PLU=ON L13 AND (L3 OR L5 OR L6 OR L7 OR L8 OR L9)
             79 SEA ABB=ON
L25
L26
          10258 SEA ABB=ON PLU=ON L13 AND (L12 OR L13 OR L14 OR L15)
L27
              O SEA ABB=ON
                          PLU=ON L1 AND GATE OVERLAP#####
                                   (L3 OR L5 OR L6 OR L7 OR L8 OR L9) OR L12
T.28
          50507 SEA ABB=ON
                           PLU=ON
                OR (L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR
                L22 OR L23 OR L24 OR L25 OR L26 OR L27)
           2623 SEA ABB=ON PLU=ON L2 AND L28
L29
              1 SEA ABB=ON PLU=ON US20020014624/PN
L30
                D ALL
                SEL PLU=ON L30 1- IC ECLA NCL :
L31
                                                       6 TERMS
L32
          25732 SEA ABB=ON
                           PLU=ON L31
            176 SEA ABB=ON
                           PLU=ON L29 AND L32
L33
            418 SEA ABB=ON PLU=ON L29 AND (CAPACITOR OR STORAGE)
L34
             86 SEA ABB=ON PLU=ON L29 AND (TFTLCD OR LCDTFT OR THIN FILM(3A)T
L35
                RANSISTOR####)
L36
             37 SEA ABB=ON PLU=ON L29 AND TFT
             88 SEA ABB=ON PLU=ON L29 AND (TFTLCD OR LCDTFT OR PIXEL##### OR
L37
                PICTURE ELEMENT OR LC OR LCD OR AMLCD OR ACTIVE MATRIX OR FPD
                OR FLAT PANEL OR DISPLAY###)
             29 SEA ABB=ON PLU=ON (L35 OR L36) AND L37
1.38
                           PLU=ON
                                   L33 AND L34
L39
             8 SEA ABB=ON
                           PLU=ON L33 AND (L35 OR L36 OR L37)
L40
             56 SEA ABB=ON
             42 SEA ABB=ON
                           PLU=ON
                                   L33 AND (L35 OR L36)
L41
L42
             32 SEA ABB=ON
                          PLU=ON
                                   L33 AND L37
                                   L41 AND L42
                           PLU=ON
L43
             18 SEA ABB=ON
L44
              5 SEA ABB=ON
                           PLU=ON
                                   L13 AND L43
                D BIB AB HITSTR TOT
```

1693 SEA ABB=ON PLU=ON (ABOVE OR OVER) (3W) CHANNEL

L45

	9/	7/05 09/837,877
L46	17	SEA ABB=ON PLU=ON (L3 OR L5 OR L6 OR L7 OR L8 OR L9) AND L45
L47	69	SEA ABB=ON PLU=ON (L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25) AND L45
L48	17160	SEA ABB=ON PLU=ON (L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25) AND (L28 OR L29)
L49	84	SEA ABB=ON PLU=ON L45 AND (L28 OR L29)
L50		SEA ABB=ON PLU=ON L45 AND (L32 OR L33 OR L34 OR L35 OR L36
200		OR L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44)
L51	0	SEA ABB=ON PLU=ON (L46 OR L47 OR L48 OR L49 OR L50) AND L45
		AND WIRINGS
L52	35	SEA ABB=ON PLU=ON (L46 OR L47 OR L48 OR L49 OR L50) AND L45
		AND L13
L53	9	SEA ABB=ON PLU=ON L52 AND (GOLD OR OVERLAP###### OR L15)
L54	9	SEA ABB=ON PLU=ON L53 NOT L44
		D BIB AB HITSTR TOT
L55	0	SEA ABB=ON PLU=ON (L3 OR L5 OR L6 OR L7) AND L54
L56	0	SEA ABB=ON PLU=ON L1 AND L54
L57	17	SEA ABB=ON PLU=ON (L3 OR L5 OR L6 OR L7 OR L8 OR L9) AND L45

L58 L59 17 SEA ABB=ON PLU=ON L57 NOT L44 17 SEA ABB=ON PLU=ON (L5 OR (L7 OR L8 OR L9) OR L12 OR L14 OR (L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25) OR (L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44) OR (L46 OR L47) OR (L49 OR L50 OR L51 OR L52 OR L53 OR L54)) AND L58 D L59 BIB AB HITSTR TOT

(FILE 'HOME' ENTERED AT 12:00:06 ON 07 SEP 2005)

=>

	FILE 'CAPLU	JS	' ENTERED AT 12:00:26 ON 07 SEP 2005
L1	2117365	S	TANTALUM OR TA OR TITANIUM OR TI OR BARIUM OR BA OR HAFNIUM H
L2	57624	S	INSULAT? (2N) (REGION? OR SEGMENT? OR SECTION? OR PART##### OR
L3	9270	S	S1 AND S2
L4	1709	S	PIXEL### AND MATRIX AND (TFT## OR THIN()FILM# OR TRANSISTOR#)
L5	7	S	L3 AND L4
L6	57715	S	WIRING()LINE OR L2
L7	3504580	S	TANTALUM OR TA OR CHROMIUM OR CR OR TITANIUM OR TI OR TUNGSTE
L8		_	L6 (6N) L7
L9	555	s	PIXEL### (N) (MATRIX OR (TFT## OR THIN()FILM# OR TRANSISTOR#)
L10	0	s	SL8 AND L9
L11	2739	S	L6(2N)(FIRST OR SECOND##### OR INITIAL OR PRIMARY)
L12	4	s	L9 AND L11
L13	4	s	L12 NOT L5
L14	299	S	L8 AND L11
L15	3	s	L14 AND L4

```
? ds
Set Items Description
    190883 S PIXEL??
S2 2325067 S MATRIX OR ARRAY? ? OR GROUP? ? OR BUNCH? OR BUNDLE? ?
S3 722365 S TFT? ? OR THIN()FILM? OR TRANSISTOR?
     20346 S S1 AND S2 AND S3
     35897 S AU= (YAMAZAKI S? OR YAMAZAKI, S? OR YAMAZAKI Y? OR YAMAZAKI, Y? OR KOYAMA J? OR
S5
KOYAMA, J? OR IKEDA T?)
      5971 S AU = (IKEDA, T? OR SHIBATA H? OR SHIBATA, H? OR KITAKADO H? OR KITAKADO, H? OR
FUKUNAGA T? OR FUKUNAGA, T?)
     41747 S S5 OR S6
S7
      456 S S7 AND S4
S8
S9 478419 S CAPACITOR? OR CAPACITANCE
S10
      193 S S8 AND S9
S11
      9615 S S1(S)S2(S)S3
S12
      146 S S11 AND S7 AND S9
S13
    44722 S (FIRST OR INITIAL OR PRIMARY OR SECOND?)(2N)WIR?????
S14 2027797 S CHANNEL? OR CONDUIT? OR PATH??????
S15
       49 S S12 AND S13 AND S14
S16
       1 S S15 AND PY<=1998
S17
       16 S S12 AND PY<=1998
S18
       15 S S17 NOT S16
S19
       15 IDPAT (sorted in duplicate/non-duplicate order)
S20
       13 IDPAT (primary/non-duplicate records only)
     72472 S IC= (H01L-027/12 OR H01L-029/784 OR H01L-031/112 OR H01L-027/108 OR H01L-029/04 OR
S21
H01L-029/76 OR H01L-031/036)
      1010 S S21 AND S7
S22
S23
       52 S S11 AND S22
       48 S S23 NOT S20
S24
       14 S S24 AND PY<=1998
S25
S26
       14 IDPAT (sorted in duplicate/non-duplicate order)
S27
       14 IDPAT (primary/non-duplicate records only)
? show files
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^{*}File 350: For more current information, include File 331 in your search. Enter HELP NEWS 331 for details.

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? ds
Set Items Description
    287440 S PIXEL??
S1
S2 8936420 S MATRIX?? OR ARRAY? ? OR GROUP? ? OR BUNCH? OR BUNDLE? ?
S3 2228192 S TFT? ? OR THIN()FILM? OR TRANSISTOR?
S4 757708 S CAPACITOR? OR CAPACITANCE
   7106581 S CHANNEL? OR CONDUIT? OR PATH??????
    31365 S (FIRST OR INITIAL OR PRIMARY OR SECOND?)(2N)WIR?????
    280801 S INSULAT?(3N)(REGION? OR SEGMENT? OR SECTION? OR PART? ? OR PORTION? ? OR LAYER?
S7
?)
S8 8141248 S TANTALUM OR TA OR CHROMIUM OR CR OR TITANIUM OR TI OR TUNGSTEN OR W OR
MOLYBDENUM OR MO OR SILICON OR SI OR ALLOY
BI OR TUNGSTEN OR W OR THORIUM OR TH OR LEAD OR PD
```

S9 6350100 S TANTALUM OR TA OR TITANIUM OR TI OR BARIUM OR BA OR HAFNIUM OR HF OR BISMUTH OR

S10 12294 S S1 AND S2 AND S3 S11 178 S S5 AND S6 AND S7 S12 12 S S10 AND S11 S13 12 RD (unique items) S14 5479 S S6 AND S8 S15 21619 S S1(2N)(S2 OR S3) S16 17 S S15 AND S14 S17 13 RD (unique items) S18 10 S S17 NOT S13 S19 34183 S S7 AND S9 S20 95 S S19 AND S15

37 S S4 AND S20 S21

36 S S21 NOT (S13 OR S18) **\$22**

35 RD (unique items) S23

8 S S23 AND PY<=1998 S24

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